



SOUTHEAST ASIAN EDUCATION TRUST[®]

S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY

(Approved by All India Council for Technical Education (AICTE), New Delhi)
Affiliated to Visvesvaraya Technological University (VTU), Belagavi, Recognised by Government of Karnataka

DEPARTMENT OF MBA

REPORT ON ADD ON COURSE ON BUSINESS ANALYTICS

Organized by the department of MBA

Introduction to the Program


In the dynamic landscape of modern business, the convergence of technology and management principles has become imperative for success. Recognizing this, the Indian Institutes of Management (IIMs), renowned for their excellence in business education, have embraced the digital era with innovative computer programs tailored for aspiring business leaders. This cutting-edge IIM computer program stands at the intersection of business acumen and technological prowess. Designed to equip participants with a comprehensive skill set, it delves into diverse facets of information technology, data analytics, and strategic decision-making. Participants engage in a transformative learning journey that not only navigates the intricacies of the digital realm but also fosters a deep understanding of its impact on contemporary business practices.

As the business landscape continues to evolve, proficiency in leveraging technology becomes a crucial differentiator. The IIM computer program is curated to meet this demand, integrating real-world case studies, hands-on projects, and industry-relevant curriculum to ensure graduates are well-prepared to navigate the complexities of the digital business ecosystem.

Whether one is a seasoned professional looking to up skill or a recent graduate aspiring to make an impact, the IIM computer program provides a gateway to a future where technological fluency and managerial excellence seamlessly converge. Join the ranks of visionary leaders who are not just adapting to change but driving it, with the IIM computer program as your catalyst for success in the digital age.

ABOUT RESOURCE PERSON

Mr. Ajib sir is well experienced person in providing the service and consulting, he also give good inputs regarding the business analytics and thought about tools and techniques how to make use of these technicalities. He worked in IT sector as good experience in that and he is a professional consultant in make intern.


PRINCIPAL
S.E.A College of Engineering & Technology
Ektha Nagar, Basavanapura,
Virgo Nagar Post, Bangalore - 560049.

Ektha Nagar, Near Ayyappa Nagar Circle, Devasandra Main Road, Virgonagar Post, K.R. Puram, Bangalore-560049, INDIA.

Phone: 080-29730681, 7353945999

e-mail: seacetadmin@gmail.com website: seacet-bangalore.org.in.




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DEPARTMENT OF MBA



Add on Course on Business analytics

In association with Makeintern & E-Cell IIM Calcutta
& IQAC SEACET
S.E.A College of Engineering and Technology
[SEACET], Bangalore






duration
30 hours

Details

Topic: Effective Business Plan
Date: 11-06-2023 to 15-06-2023
Charges: 1750/-18% GST
Sub Coordinators:
Dr. Pooj Kumar: 08771577544
Prof. S. Day: 07708026449

Benefits:

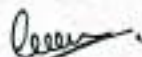
- ★ Get industry-recognized certificate
- Makeintern & E-Cell IIM Calcutta
- Learntoupgrade Certification.
- ★ Internship assistance for participants.
- ★ Theory & practical hands on session.



Faculty Coordinator: **Dr. S.B Anil Kumar** **+91 9701787404**

Objectives

The Program is to empower participants with a multidimensional skill set that seamlessly integrates management principles with cutting-edge technology. The 30 hours add on course aims at cultivate a cohort of professionals capable of navigating the complexities of the digital business landscape, emphasizing comprehensive skill development in areas such as data analytics, information technology, and strategic decision-making. By combining a rigorous curriculum with real-world applications and industry relevance, the program seeks to equip participants with the practical proficiency needed to excel in diverse professional roles. The overarching goal is to produce leaders who not only understand the dynamic interplay between technology and business but are also poised to drive innovation, make informed data-driven decisions, and contribute effectively to the global business ecosystem. Through networking opportunities, global perspectives, and a commitment to a continuous learning culture, the IIM Computer Program aspires to be a catalyst for career advancement, preparing participants for leadership roles in the ever-evolving digital era.



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Virgo Nagar Post, Bangalore - 560048.

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e-mail: seacetadmin@gmail.com website: seacet-bangalore.org.in



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DEPARTMENT OF MBA

Topics covered

- Day 1 – Introduction About Data, Data Analytics, Data Analytics Tools & Function.
- Day 2 – Tableau Introduction, How to Install, Downloading Excel Data Sample Form Internet, Tableau Begging Level Project Class & Practical Learning.
- Day 3- Tableau Intermediate Level Project Explanation & Practical Learning.
- Day 4 – Presentation About Marketing Strategy, Higher Level Project Explanation & Practical Learning
- Day 5- Excel practical classes, shortcuts, sums formula.

Outcomes:

- Gained good knowledge about what is data and data analytics, what are the tools used in analytics
- Practical understanding on how to use Tableau for analysis.
- Practical understanding of Excel



Bengaluru, Karnataka, India
South East Asian College Engineering & Management, Basavanapura Rd, Lourdji Nager, Virgonagar, Krishnarepura, Bengaluru, Karnataka 560049, India
Lat 13.009435°
Long 77.715516°
13/07/23 04:46 PM GMT +05:30

[Signature]

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Ektha Nagar, Basavanapura,
Virgo Nagar Post, Bangalore - 560049.



Bengaluru, Karnataka, India
South East Asian College Engineering & Management, Basavanapura Rd, Lourdji Nager, Virgonagar, Krishnarepura, Bengaluru, Karnataka 560049, India
Lat 13.009245°
Long 77.714798°
11/07/23 10:37 AM GMT +05:30

560049, INDIA.

re.org.in



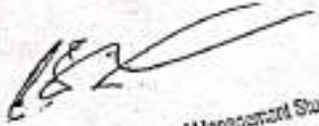
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DEPARTMENT OF MBA

Students Attendance:

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY BANGALORE		
DEPARTMENT OF MBA		
ADD ON COURSE ON BUSINESS ANALYTICS - STUDENT ATTENDANCE		
Sl. No	STUDENT NAME	SIGNATURE
1	Anitha	Anitha
2	Anitha	Anitha
3	Anitha	Anitha
4	Anitha	Anitha
5	Anitha	Anitha
6	Anitha	Anitha
7	Anitha	Anitha
8	Anitha	Anitha
9	Anitha	Anitha
10	Anitha	Anitha
11	Anitha	Anitha
12	Anitha	Anitha
13	Anitha	Anitha
14	Anitha	Anitha
15	Anitha	Anitha
16	Anitha	Anitha
17	Anitha	Anitha
18	Anitha	Anitha
19	Anitha	Anitha
20	Anitha	Anitha
21	Anitha	Anitha
22	Anitha	Anitha
23	Anitha	Anitha
24	Anitha	Anitha
25	Anitha	Anitha
26	Anitha	Anitha
27	Anitha	Anitha


PRINCIPAL
S.E.A. College of Engineering & Technology
Ekta Nagar, Basavanapura,
Virgo Nagar Post, Bangalore - 560049


Head of the Department of Management Studies
S.E.A. College of Engineering & Technology
Ekta Nagar, Basavanapura, Virgonagar Post,
Bangalore - 560 049



S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY

Certificate

Drone Model Building & Embedded IOT Application Development

This is to certify that.....**KEVIN GEORGE D**.....has
participated in the training on "Drone Model Building & Embedded IOT Application
Development" from 11th December 2023 to 15th December 2023 at SEA College

of Engineering & Technology, Bengaluru

Pragmatic Embed Solutions
(Technical Head)

Dr. Pradeep Kumar N.S
(ECE, HOD)

Dr. B Venkata Narayana
(Principal)



S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY

Certificate

Drone Model Building & Embedded IOT Application Development

This is to certify that.....

SINDHU K J

.....has

participated in the training on "Drone Model Building & Embedded IOT Application

Development" From 11th December 2023 to 15th December 2023 at SEA College

of Engineering & Technology, Bengaluru

Pragmatic Embed Solutions
(Technical Head)

Dr. Pradeep Kumar N.S
(ECE, HOD)

Dr. B Venkata Narayana
(Principal)



Department of Electronics and Communication Engineering

Report on the 5 Days Workshop on Drone Model Building and Embedded IOT Application Development

A 5 Days Workshop on “Drone Model Building and Embedded IOT Application Development” was organized by Department of Electronics and Communication Engineering, S.E.A College of Engineering and Technology, Bangalore from 11th-15th December, 2023 in association with Pragmatic Embd Solutions. The timings for Morning Session was 09.00 am to 12.45 pm and afternoon Session was 1.30 to 4.00 pm. The workshop was arranged for final year, third year and second year ECE students. Nearly 69 students participated in the workshop. Inauguration for the workshop was held on CSE seminar hall on 8th November, 2022 at 10:00am. The function was presided by by Dr.Bhagavanth K Deshpande, Director, SEACET and Dr.B.Venkatanarayana, Principal, SEACET and introduction of resource person was given by Dr. Pradeep Kumar N.S., HOD, ECE, SEACET.

The resource person from Pragmatic Embd Solutions is Shashi Kiran, Director of company. MOU was signed between Pragmatic Embd Solutions and S.E.A College of Engineering and Technology for three years.

About

Workshop:

S.E.A College of Engineering and Technology
Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi and Accredited B++ by NAAC
Ekta Nagar, Near Ayyappa Nagar Circle, Devasandra Main Road, K.R.Puram, Bangalore-49

Department of Electronics and Communication Engineering
Organizes
Five Days Workshop on
"Drone Model Building and Embedded IOT
Application Development"
In Association with IQAC, IIC and PRAGMATIC EMBD SOLUTIONS
From 11th to 15th December 2023

Objective of the Workshop:

The broad objective of this Workshop aimed at giving your students a practical exposure on the diversified hardware and software used in Embedded Systems. The program covers hands-on Training on Arduino Boards.

Resource Person of the Workshop:

Resource Persons for the Workshop is Mr.Sashi Kiran from Pragmatic Emdbd Solutions.

First day 11.12.23

The First day 11.12.23 workshop Inaugural function was held on AC seminar hall at 10:00am. Later the workshop started by 11:00 am. In the first day the resource person gave introduction about embedded systems. Learnt about Features of ESP32 IOT Board. Along with the operations of relay, buzzer, LED and regulator.

Screen Shots for First day 11.12.23





GPS Map Camera



Bengaluru, Karnataka, India

South East Asian College Engineering & Management, Basavanapura Rd, Lourdu Nagar,
Virgonagar, Krishnarajapura, Bengaluru, Karnataka 560049, India

Lat 13.008787°

Long 77.715035°

11/12/23 10:05 AM GMT +05:30



Second day 12.12.22

The Second day 12.12.23 Forenoon and Afternoon sessions resource person delivered lecture on how to do operate DC motor drive, operation of relay and operation based on relay light. Learnt features of battery operator.

Screen Shots for Second day 12.12.23

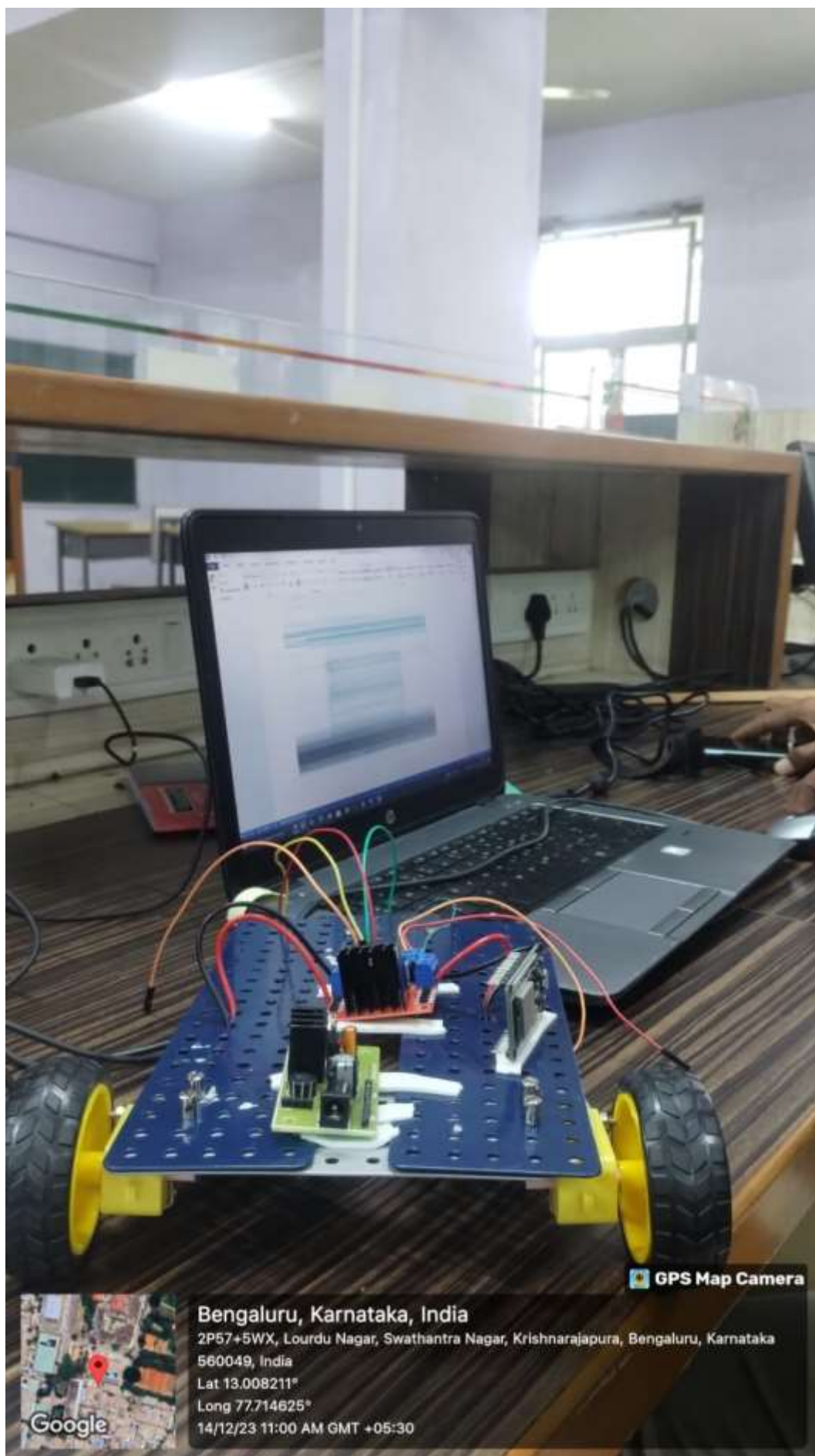


Third day 13.12.23

The Third day 13.12.23 Forenoon and Afternoon sessions resource person delivered lecture on sensor activity. They learnt about surface mount devices, place through holes, IR sensor, LCD test, accelerometer test.

Screen Shots for Third day 13.12.23





 GPS Map Camera



Bengaluru, Karnataka, India

2P57+5WX, Lourdu Nagar, Swathantra Nagar, Krishnarajapura, Bengaluru, Karnataka

560049, India

Lat 13.008211°

Long 77.714625°

14/12/23 11:00 AM GMT +05:30

Fourth day 14.12.23

The Fourth day 14.12.23 Forenoon and Afternoon sessions resource person delivered lecture on Robotic Assembly, robotic control using Bluetooth and Bluetooth controlled robot.

Screen Shots for Fourth day 14.12.23



Fifth day 15.12.23

The Fifth day 15.12.23 Forenoon and Afternoon sessions resource person gave hands on practice on how to control accelerometer, Drone Flying and Industrial Data Logger. MOU was signed between pragmatic embd solutions and SEA College of Engineering and Technology for three years.

Screen Shots for Fifth day 15.12.23



The Workshop was concluded at 03.00pm. The workshop ended with the vote of thanks by Dr. Pradeep Kumar N.S., HOD, ECE, SEACET. Lunch was provided at last day and Hi-tea to faculties and students of ECE department for all the 5 days. Feedback forms were collected from students at the last day. The workshop was highly informative to students. Thus workshop provided valuable awareness and insights on the various aspects of Embedded Systems

Outcome from the Workshop:

- Drone Model Construction Proficiency
- Embedded IoT Application Development Skills
- Autonomous Flight Capabilities
- IoT Application Development for Drone Data

Students Name list – Workshop:

Sl.No.	Student Name
1	AISHWARYA H R
2	BHARADWAZ R
3	JAGATI SAI TEJA
4	JALANI K S
5	KANNIKA P N
6	KARTHIK V H
7	KEVIN GEORGE D
8	NIKHIL K
9	RANJITHA M
10	S YUVARAJ
11	SAHANA H
12	SHAMME ZEHRA
13	SINDHU K J
14	SINDHU V
15	SKANDA P
16	SONIKA N
17	SPOORTHY J
18	SRIDHAR S MELI
19	SUZAIN KHANUM
20	THIRTA Kumar H B
21	VAISHNAVI PATIL
22	VENUGOPAL H R
23	VYSHNAVI A R
24	Charithra Rani
25	Gagankumar T N

26	Srikanth D Nayaka
27	Sudeep B S
28	Thugu Aswini
29	Abhi S R
30	Aishwarya.m
31	ANJALI M
32	Bhargav A
33	Chaithra k R
34	Chiranjeevi S
35	DAKSHIRAJU SREENATH
36	Divya k s
37	Emmanuel chaudhary
38	Harsha.G
39	Jhonathan P
40	Manoj Kumar M
41	Moksha S
42	Muskan.A
43	Nandish T. S
44	Neerisha.M
45	Pallavi .K.A
46	Pranowmya Nalam
47	V Punnish
48	Sakshi Mohandas Pai
49	SANGEETHA C
50	Shama K
51	SHREYA RAJENDRA DEVEKAR
52	Sindhuja M.R
53	Sofiya.J
54	Soujanya C S
55	Swapna B V
56	Teja
57	Yashwanth C R
58	C V SUDHEER KUMAR
59	EDURU RAJESH
60	LOKESH P
61	MOHITH GOWDA C B
62	D N PADMANAND
63	PRATIK KUMAR RAI

III SEM Drone Workshop Attendance List from (11.12.23 to 15.12.23)

[illegible]



S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY

Department of Electronics and Communication Engineering


V SEM Drone Workshop Attendance List

Sl.No	Student Name	11.12.2023		12.12.2023		13.12.2023		14.12.2023		15.12.2023	
		FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	AISHWARYA H R	Aishwarya	H R	Aishwarya	H R	Aishwarya	H R	Aishwarya	H R	Aishwarya	H R
2	BHARADWAZ R	Bharadwaz	R	Bharadwaz	R	Bharadwaz	R	Bharadwaz	R	Bharadwaz	R
3	JAGATI SAI TEJA	Jagati	Sai Teja	Jagati	Sai Teja	Jagati	Sai Teja	Jagati	Sai Teja	Jagati	Sai Teja
4	JALANI K S	Jalani	K S	Jalani	K S	Jalani	K S	Jalani	K S	Jalani	K S
5	KANINKA P N	Kaninka	P N	Kaninka	P N	Kaninka	P N	Kaninka	P N	Kaninka	P N
6	KARTHIK V H	Karthik	V H	Karthik	V H	Karthik	V H	Karthik	V H	Karthik	V H
7	KEVIN GEORGE D	Kevin	George D	Kevin	George D	Kevin	George D	Kevin	George D	Kevin	George D
8	NICHIL K	Nichil	K	Nichil	K	Nichil	K	Nichil	K	Nichil	K
9	RANJITHA M	Ranjitha	M	Ranjitha	M	Ranjitha	M	Ranjitha	M	Ranjitha	M
10	S YUVARAJ	S Yuvaraj		S Yuvaraj		S Yuvaraj		S Yuvaraj		S Yuvaraj	
11	SAHANA H	Sahana	H	Sahana	H	Sahana	H	Sahana	H	Sahana	H
12	SHRADDHA ZEHRA	Shraddha	Zehra	Shraddha	Zehra	Shraddha	Zehra	Shraddha	Zehra	Shraddha	Zehra
13	SINDHU K J	Sindhu	K J	Sindhu	K J	Sindhu	K J	Sindhu	K J	Sindhu	K J
14	SINDHU V	Sindhu	V	Sindhu	V	Sindhu	V	Sindhu	V	Sindhu	V
15	SKANDA P	Skanda	P	Skanda	P	Skanda	P	Skanda	P	Skanda	P
16	SONIKA N	Sonika	N	Sonika	N	Sonika	N	Sonika	N	Sonika	N
17	SPOORTHIL J	Spoorthil	J	Spoorthil	J	Spoorthil	J	Spoorthil	J	Spoorthil	J
18	SRIDHAR S M E L I	Sridhar	S M E L I	Sridhar	S M E L I	Sridhar	S M E L I	Sridhar	S M E L I	Sridhar	S M E L I
19	SUZAIN KHANUM	Suzain	Khannum	Suzain	Khannum	Suzain	Khannum	Suzain	Khannum	Suzain	Khannum
20	THIRTAJUMAR H B	Thirta	Jumar H B	Thirta	Jumar H B	Thirta	Jumar H B	Thirta	Jumar H B	Thirta	Jumar H B
21	VAISHNAVI PATIL	Vaishnavi	Patil	Vaishnavi	Patil	Vaishnavi	Patil	Vaishnavi	Patil	Vaishnavi	Patil
22	VENUGOPAL H R	Venugopal	H R	Venugopal	H R	Venugopal	H R	Venugopal	H R	Venugopal	H R
23	VYSHNAVI A R	Vyshnavi	A R	Vyshnavi	A R	Vyshnavi	A R	Vyshnavi	A R	Vyshnavi	A R
24	Charithra Rani	Charithra	Rani	Charithra	Rani	Charithra	Rani	Charithra	Rani	Charithra	Rani
25	Sapant Kumar T N	Sapant	Kumar T N	Sapant	Kumar T N	Sapant	Kumar T N	Sapant	Kumar T N	Sapant	Kumar T N
26	Srikanth D Nayaka	Srikanth	D Nayaka	Srikanth	D Nayaka	Srikanth	D Nayaka	Srikanth	D Nayaka	Srikanth	D Nayaka
27	Sudheep B S	Sudheep	B S	Sudheep	B S	Sudheep	B S	Sudheep	B S	Sudheep	B S
28	Thyaga Aswini	Thyaga	Aswini	Thyaga	Aswini	Thyaga	Aswini	Thyaga	Aswini	Thyaga	Aswini

29. Pawan

30. Pawan 31. Pawan 32. Pawan 33. Pawan 34. Pawan 35. Pawan 36. Pawan 37. Pawan 38. Pawan 39. Pawan 40. Pawan

Sample Feedback forms from students (scanned):

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Department of Electronics and Communication Engineering

Students Feedback Form

Workshop on "Drone Model Building and Embedded IoT Applications Development" for ECE students in association with IQAC and IIC from 11th to 15th December, 2023

Workshop Name: Drone Model Building & Embedded IoT Applications Development Date: 15-12-23
Name of the Institution: S.E.A college of engineering and technology
Program Date: 11/12/23 to 15/12/23
Name of the Participant: SPOORTHY-J
Department: Electronics and communication engineering
USN NO: 1SP21EC027
Year and Semester: 3rd year (5th sem)
Address: #80, 43rd cross, 2nd main, Nisarga Layout, Doddanehalli, Bangalore-37

Phone No: 8088139828 Mobile No: _____ e-mail ID: sproorthy1003@gmail.com

> Write down the benefits got by attending this program?
Learned about Arduino software and usage of ESP-32 boards.

> Any Notes or Content Material provided (Y/N): Yes

> Does this program have brought any change in your understanding of the subject, skills and your attitude towards the learning ?
Yes

> Have you found any innovative idea of making learning process from this program? Explain.

In this Drone making

- Whether initiatives like this should be organized in the coming future or not? Give reason.

Yes, like this workshop should be done in coming year. It's very useful in the coming future.

- How do you plan to share the gained knowledge/skill with your friends who did not attend the program?

It is very useful topic/project in coming future so, I will explain to my friends who are not attended the workshop.

- ✓ Kindly give rating to the different aspects of Workshop (Out of 10 marks)

Particular	Marks Given	Any Remarks
(a). Course Content	<u>10</u>	
(b). Resource Persons	<u>10</u>	
(c). Presentations	<u>9</u>	
(d). Interactive Sessions	<u>9</u>	
(e). Reading Material	<u>9</u>	
(f). Basic Facilities	<u>10</u>	
(g). Overall	<u>10</u>	

Sangeetha C.
Signature of the Participant



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Department of Electronics and Communication Engineering

Students Feedback Form

Workshop on "Drone Model Building and Embedded IoT Applications Development" for ECE students in association with IQAC and IIC from 11th to 15th December, 2023

Workshop Name: Drone model Building & Embedded IoT Date: 15-12-23

Name of the Institution: S.E.A. College

Program Date: 11-12-23

Name of the Participant: Sangeetha.C

Department: ECE

USN NO: 15p22EC045

Year and Semester: IIIrd year IIIrd Sem

Address: Hostel

Phone No: 7337728766 Mobile No: 8549046427 E-mail ID: SangeethaC264@gmail.com

➤ Write down the benefits got by attending this program?

We learned new things in the project

➤ Any Notes or Content Material provided (Y/N): Yes

➤ Does this program have brought any change in your understanding of the subject, skills and your attitude towards the learning ?

Yes, It's very useful for further studies

➤ Have you found any innovative idea of making learning process from this program? Explain.

Yes, we learned new things!

Yes, I would like to work on more projects like this

- Whether initiatives like this should be organized in the coming future or not? Give reason.

Yes, This will definitely help students.

- How do you plan to share the gained knowledge/skill with your friends who did not attend the program?

I would like to work and publish it on media, so many people gain interest towards this.

- ✓ Kindly give rating to the different aspects of Workshop (Out of 10 marks)

Particular	Marks Given	Any Remarks
(a). Course Content	10	
(b). Resource Persons	10	
(c). Presentations	10	
(d). Interactive Sessions	10	
(e). Reading Material	10	
(f). Basic Facilities	10	
(g). Overall	10	


Signature of the Participant



S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ekta Nagar, Near Ayyappa Nagar Circle, Devasandra Main Road, K.R.Puram, Bangalore-49

S.E.ACET/ACADEMIC/E&CE/WS/2022-23/02

03/12/2022

CIRCULAR

The Department of Electronics and Communication Engineering is organizing Five days Workshop on **“Fundamentals of PCB Design and Fabrication”** for students in Association with IQAC, IIC and Indian Tech keys from 13th to 17th December, 2022. The Inauguration for the workshop will be held at AC Seminar Hall, 10.00 AM. I Kindly Request all the HOD and faculty members to encourage your students to attend it to enhance their technical knowledge.

Pg. 03/12/22

HOD

Principal
Principal

HODs of

IOT & BCT

CSE - *for*

ISE

ME

CV

AI&ML

MBA

FIRST YEAR DEAN

PHYSICS

CHEMISTRY

MATHEMATICS

LIBRARIAN

PLACEMENT

OS



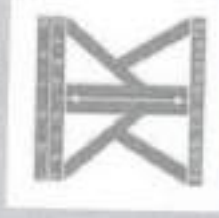
S.E.A College of Engineering and Technology

Affiliated to VTU, Belagavi and Approved by AKTE, New Delhi
Ekta Nagar, K.R.Puram, Bangalore-49



**Department of Electronics and Communication Engineering
Organizes**

Five days Workshop on "Fundamentals of PCB Design and Fabrication"

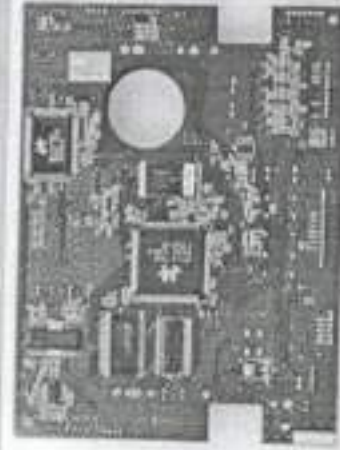


Handwritten signature

PRINCIPAL

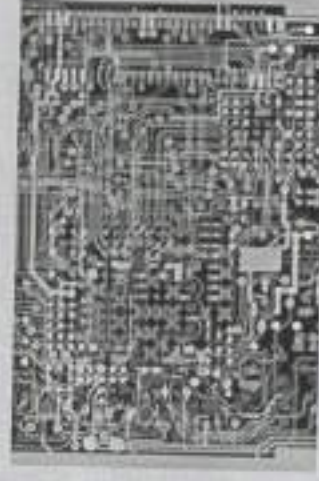
SEA College of Engineering & Technology
Ekta Nagar, Basavanapura, Virgonagar Post
BANGALORE - 560-049

In Association with IIC, IQAC and Indian Tech Keys



on 13th – 17th December 2022

Inauguration: AC Seminar Hall





S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

Ektanagar, Basavanapura, Virgonagar Post, (K.R.Puram) BANGALORE-560049

Department of Electronics and Communication Engineering

INVITATION

The Management, Principal, Faculty and Students of Department of Electronics and Communication Engineering cordially invite you to grace the Inaugural of

Workshop

On

“Fundamentals of PCB Design and Fabrication”

in association with IQAC, IIC and Indian Tech Keys, Bengaluru.

Chief Guest:

Dr.K.Viyyanna Rao

(Director, S.E.A Group of Institutions)

Guest of Honour:

Smt. Manjula Krishnappa

(Chairman, S.E.A Group of Institutions)

Sri. D.T. Srinivasa

(Secretary, S.E.A Group of Institutions)

Smt.K.Poornima Srinivasa

(MLA-Hiriyur Constituency)

CEO, S.E.A Group of Institutions)

Smt.K.Anupama

(Jt.Secretary & Treasurer, S.E.A Group of Institutions)

Date: 13th December 2022

Time: 10.00 AM onwards

Venue: AC Seminar Hall

Dr. Pradeep Kumar N S

HOD, ECE


Dr.B.Venkata Narayana

SEA College of Engineering & Technology
Ektanagar, Basavanapura, Virgonagar Post
Principal, BANGALORE - 560-049



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Affiliated to Visvesvaraya Technological University (VTU), Belagavi, Recognised by Government of Karnataka)

Department of Electronics and Communication Engineering

Report on the 5 Days Workshop on Fundamentals of PCB

Design and Fabrication

A 5 Days Workshop on "Fundamentals of PCB Design and Fabrication" was organized by Department of Electronics and Communication Engineering, S.E.A College of Engineering and Technology, Bangalore from 13th-17th December, 2022 in association with Indian Tech Keys. The timings for Morning Session was 09.00 am to 12.45 pm and afternoon Session was 1.30 to 4.00 pm. The workshop was arranged for pre final year and second year ECE students. Nearly 44 students participated in the workshop. Inauguration for the workshop was held on CSE seminar hall on 8th November, 2022 at 10:00am. The function was presided by Dr.B.Venkatanarayana, Principal, SEACET and introduction of resource persons were given by Dr. Pradeep Kumar N.S., HOD, ECE, SEACET. The resource persons from Indian Tech Keys are Mr. Kotresh M and Ms.Shrenika R M. MOU was signed between Indian Tech Keys and S.E.A College of Engineering and Technology for three years.

About Workshop:



**S.E.A COLLEGE OF
ENGINEERING & TECHNOLOGY**
AFFILIATED TO VISVESVARAYA TECHNOLOGICAL UNIVERSITY & APPROVED BY ALL INDIA COUNCIL OF TECHNICAL EDUCATION (AICTE)
Ekta Nagar, A. Krishnappa Circle, Ayyappa Nagar
Devasandra Main Road, Virgo Nagar Post, K.R. Puram, Bangalore - 560 049.
Department Of Electronics and Communication Engineering



Sri A. Krishnappa
Founder Chairman
S.E.A Group of Institutions

Organizes
Five Days Workshop on
"Fundamentals of PCB Design
and Fabrication"
in association with
In Association with IIC, IQAC and Indian Tech Keys
On 13th - 17th
December 2022
Venue : AC Seminar Hall



INSTITUTION'S
INNOVATION
COUNCIL
(Initiative of IITB, Mumbai)

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SEA College of Engineering & Technology
Ekta Nagar, Basavanapura, Virgonagar Post
BANGALORE - 560 049

Objective of the Workshop:

The broad objective of this Workshop is to introduce printed circuit board designing and fabrication where participants will get exposure to DesignSpark PCB designing industrial tool (Open Source) of printed circuit board designing.

Resource Person of the Workshop:

Resource Persons for the Workshop are Mr. Kotresh M and Ms. Shrenika R M from Indian Tech Keys. The details about the resource person Mr. Kotresh M is given below.

KOTRESH MUNDRUGI

Bengaluru, KA 560038 | 953 858 5796 | kotreshm@indiantechkeys.com

Professional Summary

Dedicated Entrepreneur accomplished in concept development, feasibility analysis and securing the funding necessary for successful business growth. Motivated business professional bringing a 5-year career in small business ownership. Business development and social media expert who quickly masters new concepts and technologies to drive successful businesses. Skilled Embedded System Designer with experience in the RS Components and Controls-India industry. Highly skilled software development professional bringing more than 5 years in software design, development and integration. Offering advanced knowledge of App development and python programming languages. Background writing code and developing systems for IoT Industry applications.

Skills

- Full product life cycle
- Project leadership
- Full stack developer for WebApps and Mobile Apps.
- IoT Product design.
- PCB layout design.
- Embedded System.
- Strategic partnership building.
- Business recovery and sustainability.
- Hiring, training and supervision.
- Software Platforms.

Work History

Owner/Director

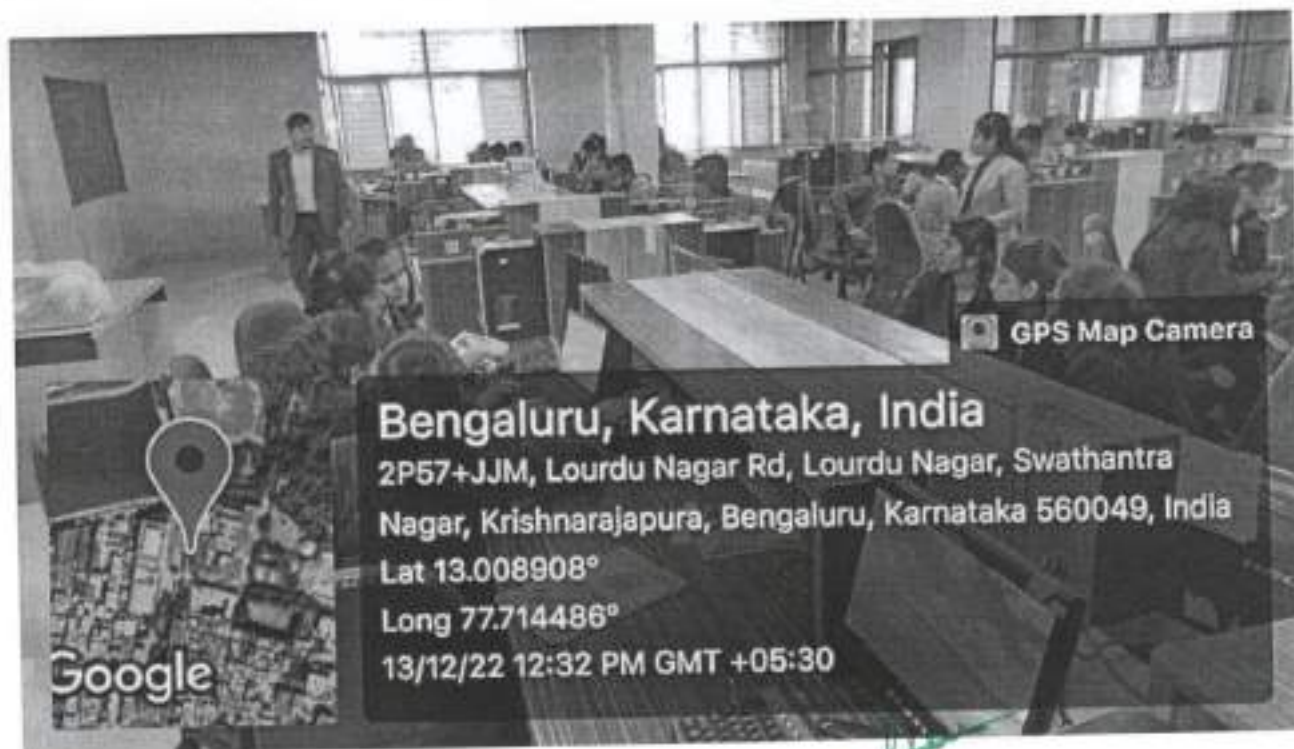
Indian Tech-Keys – Bengaluru, KA

05/2015 to Current

- Encouraged good behaviors using the positive reinforcement method.
- Organized and engaged in recreational activities such as games and puzzles.
- Managed installation, upgrade and deployment projects and provided on-site direction for network engineers.
- Designed and implemented system security and data assurance.
- Participated in all phases of system development life cycle, from requirements analysis through system implementation.

First day 13.12.22

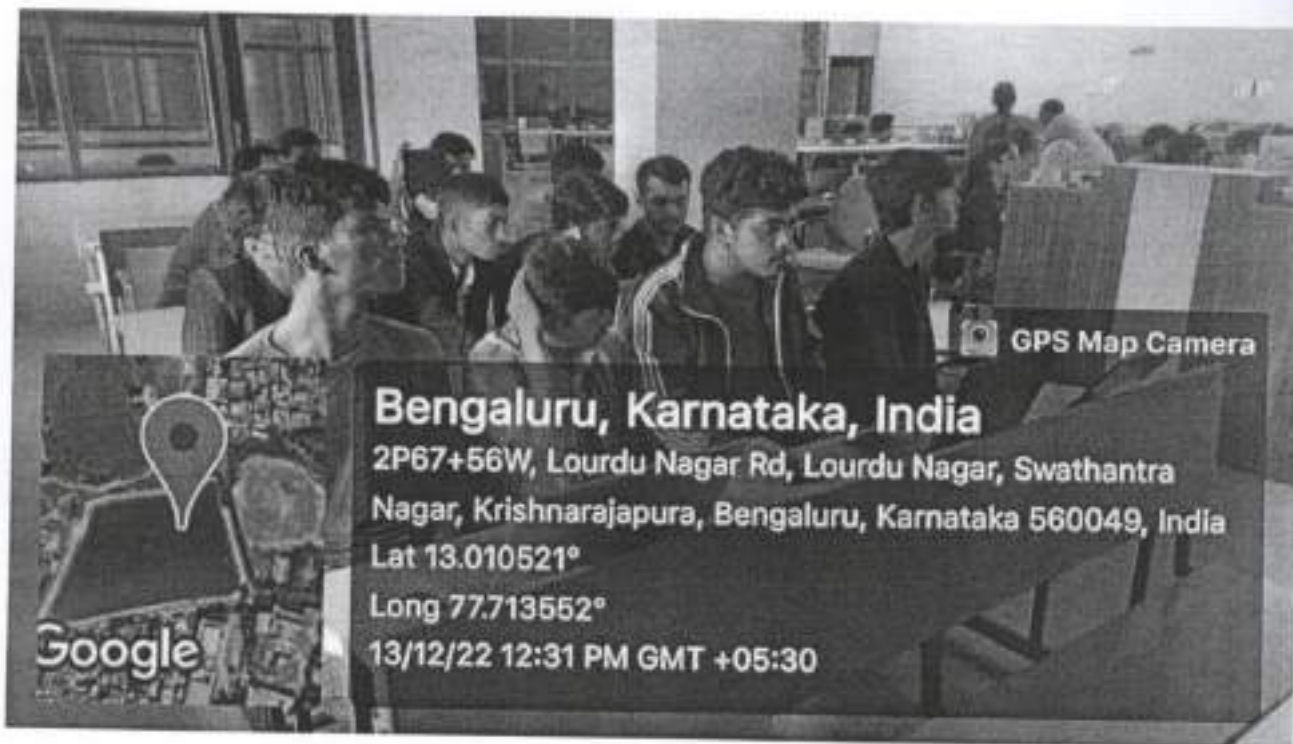
The First day 13.12.22 workshop Inaugural function was held on AC seminar hall at 10:00am. MOU was signed with Indian Tech Keys during Inaugural. Later the workshop started by 11:00 am. In the first day the resource person gave introduction about the discrete components with working principal and its applications in circuits. Fundamentals of circuit rig up. Testing and troubleshooting the circuits. Introduction to DesignSpark PCB tool.



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Screen Shots for First day 13.12.22





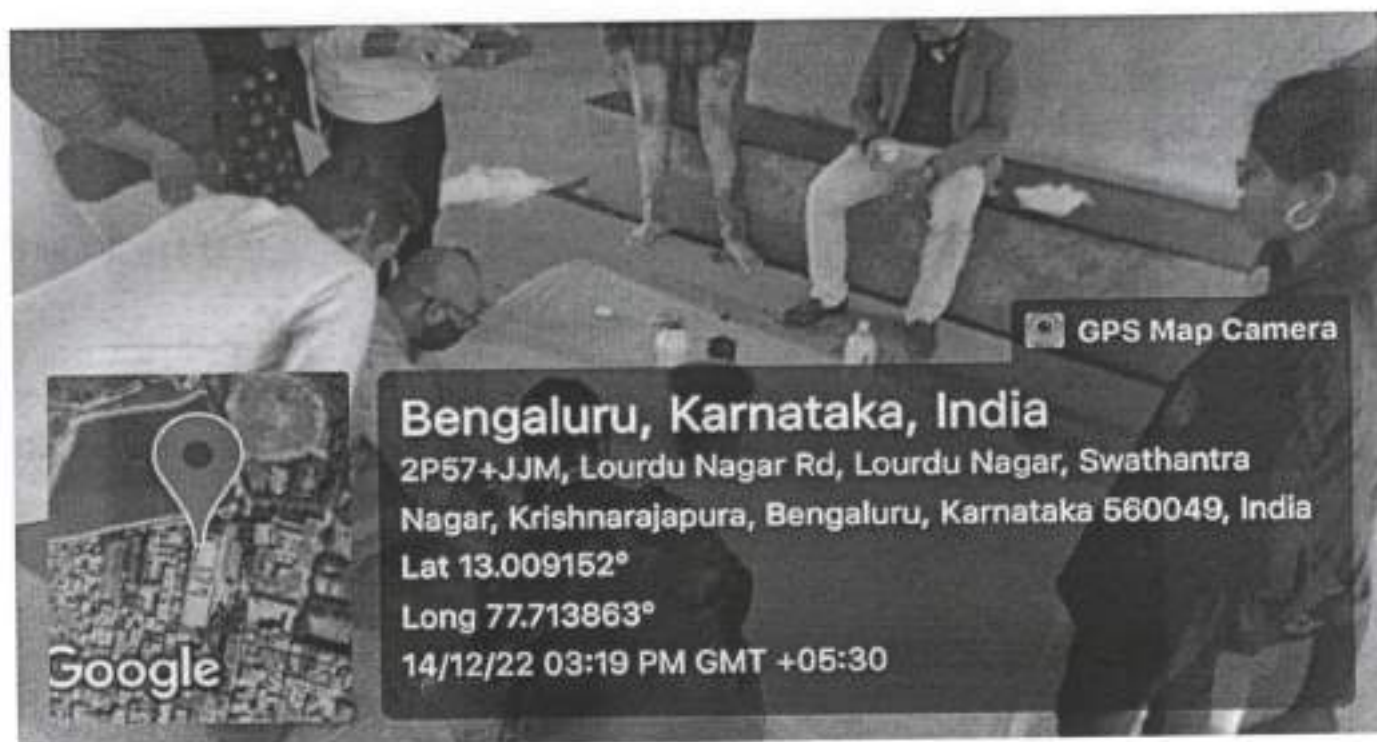
Second day 14.12.22

The Second day 14.12.22 Forenoon and Afternoon sessions resource person delivered lecture on how to do schematic design using DesignSpark PCB tool for different application circuit. Own library creation, components creation. PCB layout design for single sided PCB board fabrication. Gerber file generation from DesignSpark PCB tool fabrication.

Screen Shots for Second day 14.12.22



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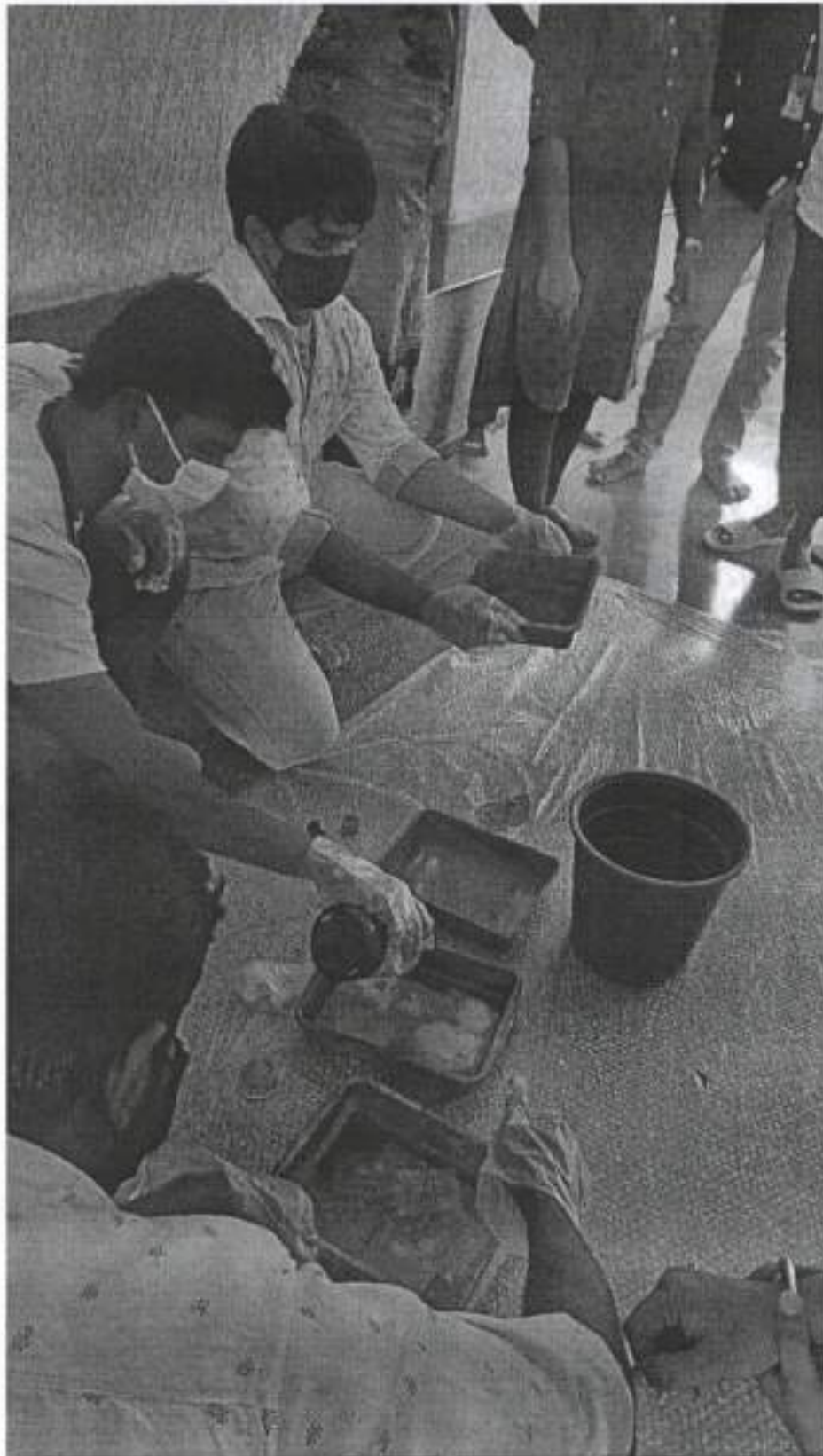


Third day 15.12.22

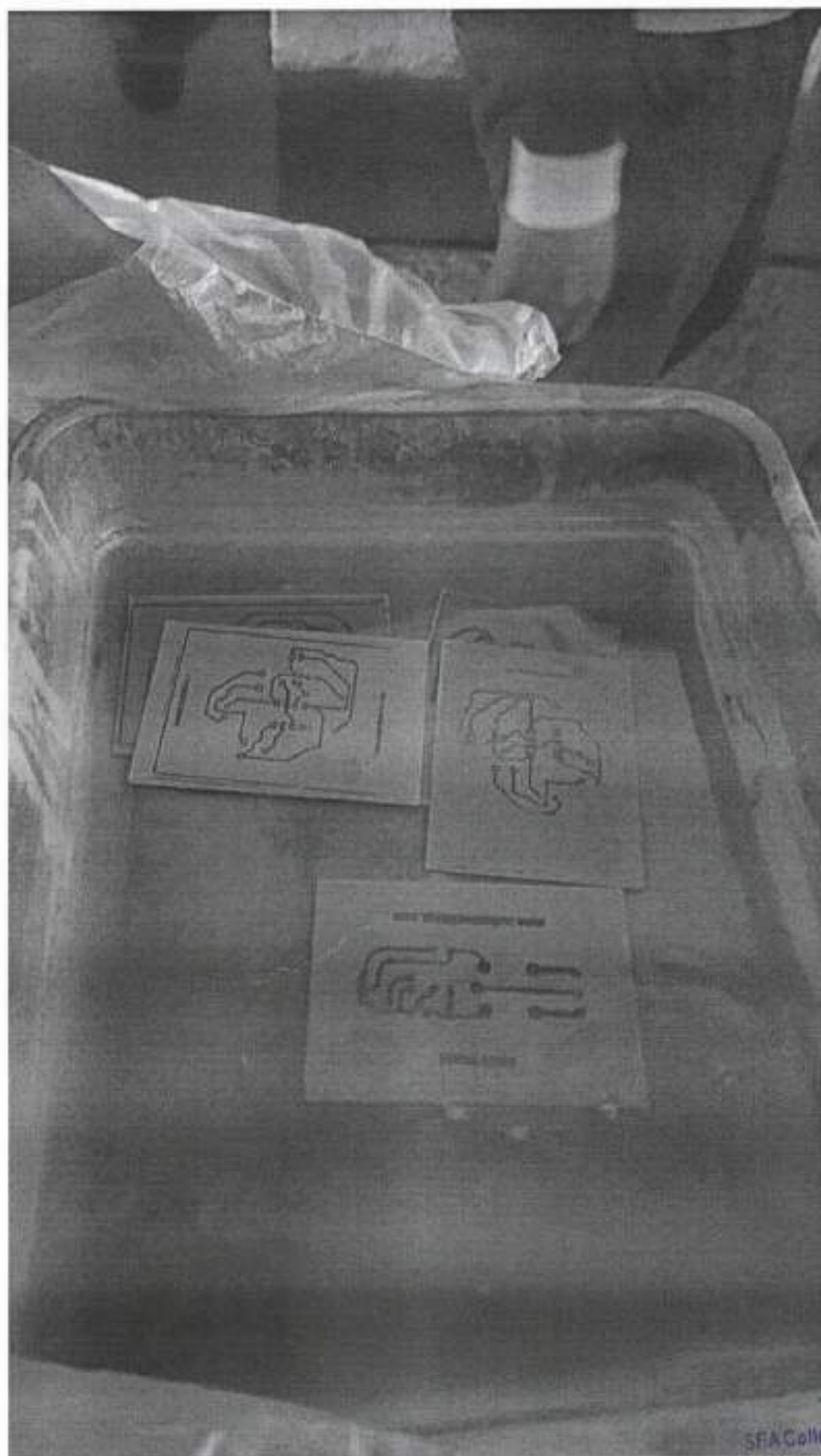
The Third day 15.12.22 Forenoon and Afternoon sessions resource person delivered lecture on fabrication of board using plane copper clad. Chemical etching to get etched board. Drilling components placement and soldering for board fabrication. Testing and troubleshooting methods.

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Screen Shots for Third day 15.12.22




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Ekta Nagar, Basavanapura, Vir
BANGALORE - 56

Fifth day 17.12.22

The Fifth day 17.11.22 Forenoon and Afternoon sessions resource person conducted the assessment about the PCB. Assessment for Grade rating. Clarification of doubts.

Screen Shots for Fifth day 17.12.22



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The Workshop was concluded at 03.00pm. The workshop ended with the vote of thanks by Dr. Pradeep Kumar N.S., HOD, ECE, SEACET. Management sponsored for Lunch to resource persons for all five days and Hi-tea to faculties and students of ECE department for all the 5 days. Feedback forms were collected from students at the last day. The workshop was highly informative to students. Thus workshop provided valuable awareness and insights on the various aspects of fabrication of PCB.

Outcome from the Workshop:

- Concept to product development skill.
- Exposure to Analog and Digital ICs.
- Schematics capture, PCB foot print design skill using DesignSpark
- Unit testing and Circuit debugging
- Understanding of PCB fabrication process


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Students Attendance sheet (scanned):

S.E.T. College of Engineering and Technology Department of Electronics and Communication Engineering (OOO 2022-23) 5 days Workshop on "PCB DESIGN & FABRICATION"- Attendance sheet												
Sl. No	USN	NAME OF THE STUDENT	13.12.2022		14.12.2022		15.12.2022		16.12.2022		17.12.2022	
			PN	AN	PN	AN	PN	AN	PN	AN	PN	AN
1	1SP21EC001	ASHWARYA D										
2	1SP21EC002	ASHWARYA H R										
3	1SP21EC004	BRANDEWARA B										
4	1SP21EC006	DEVIKANTH K										
5	1SP21EC008	JAGATI SATEJA										
6	1SP21EC010	KANAKA P M										
7	1SP21EC011	KARTHIK V M										
8	1SP21EC012	KEVIN GEORGE D										
9	1SP21EC013	L. PARAN KUMAR										
10	1SP21EC014	MADHURAN K										
11	1SP21EC015	MAHIL K										
12	1SP21EC017	MAHITHA M										
13	1SP21EC018	S YUVARAJ										
14	1SP21EC020	SARANYA H										
15	1SP21EC021	SHAMITHA ZENRA										
16	1SP21EC022	SHRUTHI E J										
17	1SP21EC023	SHRUTHI V										
18	1SP21EC024	SHRUTHI P										
19	1SP21EC025	SHRUTHI N										

20	1SP21EC027	SPOORTHY J										
21	1SP21EC028	SRINIKETH M										
22	1SP21EC030	SUDAN K										
23	1SP21EC031	THIRUKUMAR H B										
24	1SP21EC032	VAISHNAVI PATIL										
25	1SP21EC033	VARADARAJAN B										
26	1SP21EC034	VENUGOPAL H B										
27	1SP21EC035	VISHNUPATI A S										
28	LATERAL ENTRY	ASWIN T										
29	LATERAL ENTRY	CHARITHA RANI										
30	LATERAL ENTRY	KARTHIKA S										
31	LATERAL ENTRY	SALONI										
32	LATERAL ENTRY	SUDIP B S										
33	1SP19EC001	ABHILASH C										
34	1SP19EC002	ANIRBAN SARKI										
35	1SP19EC003	ANIRBAN K										
36	1SP19EC004	ANIRBAN TAJ										
37	1SP19EC006	ANIRBAN										
38	1SP19EC007	BYRE Gowda N										
39	1SP19EC015	MANJUNATH B										
40	1SP19EC017	NAVNEET Y										
41	1SP19EC022	RAJESH P										
42	1SP19EC026	V S SANTOSH										
43	1SP19EC027	YESHWANTH GOWDA										
44	1SP19EC028	YOGESH V										

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Sample Feedback forms from students (scanned):



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Hasyavannapora, Ekta Nagar, K.R.Puram, Bangalore-560049

Students Feedback Form

5 Days Workshop on 'PCB Design and Fabrication' from 13-12-22 to 17-12-22

Workshop Name: PCB Design And Its Fabrication Date: 20/12/22

Name of the Institution: S.E.A College of Engineering and Technology

Program Date: 13/12/22 to 17/12/22 Program Mode (Online/Offline): Offline

Name of the Participant: SMRUTHI-J

Department: ECF

USN NO: 1SP21EC027

Year and Semester: 2nd Year III SEM

Address: #28 201 Cross near Mohammad Temple Chinnabagalalli,
Bangalore - 57

Phone No: 8088199828

Mobile No: _____

e-mail ID: spxxthi003@gmail.com

> Write down the benefits got by attending this program?

learned how to design single layer PCB and fabrication.

> Any Notes or Content Material provided (Y/N): YES

> Does this program have brought any change in your understanding of the subject, skills and your attitude towards the learning?

YES

> Have you found any innovative idea of making learning process from this program? Explain.

YES

- Whether initiatives like this should be organized in the coming future or not? Give reason.

Yes, Planning Workshop in future will help to improve our skills.

- How do you plan to share the gained knowledge/skill with your friends who did not attend the program?

Sharing the Software application and notes provided during the workshop.

- ✓ Kindly give rating to the different aspects of Workshop (Out of 10 marks)

Particular	Marks Given	Any Remarks
(a). Course Content	<u>10</u>	
(b). Resource Person	<u>10</u>	
(c). Presentations	<u>10</u>	
(d). Interactive Sessions	<u>10</u>	
(e). Reading Material	<u>10</u>	
(f). Basic Facilities	<u>10</u>	
(g). Overall	<u>10</u>	

[Signature]
Signature of the Participant

[Signature]
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Ekta Nagar, Basavanapura, Virgonagar Post
BANGALORE - 560 049



S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
Basavanapura, Kista Nagar, K.R.Puram, Bangalore-560049

Students Feedback Form

5 Days Workshop on 'PCB Design and Fabrication' from 13-12-22 to 17-12-22

Workshop Name: PCB design and fabrication Date: 20/12/22

Name of the Institution: S.E.A college of engineering & Technology

Program Date: 13-12-22 to 17-12-22 Program Mode (Online/Offline): Offline

Name of the Participant: Anish Kumar Sanki

Department: Electronics & Communication

USN NO: 15PMEE009

Year and Semester: 4th Year 3rd Sem

Address: S.E.A International Boys Hostel, Bangalore, 560049

Phone No: _____ Mobile No: 9463228092 e-mail ID: anishkumar.sanki.539@gmail.com

> Write down the benefits got by attending this program?

The overall experience is very good. I have learnt
so much about PCB design and fabrication.
It was very informative program.

> Any Notes or Content Material provided (Y/N): Yes

> Does this program have brought any change in your understanding of the subject, skills and your attitude towards the learning?

Yes

> Have you found any innovative idea of making learning process from this program? Explain.

Yes. After learning this program now I can
make PCB by myself and apply it
to my project.

- > Whether initiatives like this should be organized in the coming future or not? Give reasons.

Yes ~~for~~ if they want they can organized in the coming future because this will be helpful for the students.

- > How do you plan to share the gained knowledge/skill with your friends who did not attend the program?

They should attend the program and I am highly recommend them to join.

- ✓ Kindly give rating on the different aspects of Workshop (Out of 10 marks)

Particular	Marks Given	Any Remarks
(a) Course Content	9	
(b) Resource Persons	9	
(c) Presentations	9	
(d) Interactive Sessions	10	
(e) Reading Material	8	
(f) Basic Facilities	10	
(g) Overall	9	

Anirban Sami
Signature of the Participant



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Ekta Nagar, Basavanapura, Virgonagar Post
BANGALORE - 560 049

Students Name list – Workshop:

Sl. No	USN	NAME OF THE STUDENT
1	1SP21EC001	AISHWARYA D
2	1SP21EC002	AISHWARYA H R
3	1SP21EC004	BHARADWAZ R
4	1SP21EC006	GODLAVEETI GURUMAHESH
5	1SP21EC008	JAGATI SAI TEJA
6	1SP21EC010	KANNIKA P N
7	1SP21EC011	KARTHIK V H
8	1SP21EC12	KEVIN GEORGE D
9	1SP21EC13	L PAWAN KUMAR
10	1SP21EC14	MOHAMMED NAWAZ ULLAH
11	1SP21EC15	NIKHIL K
12	1SP21EC17	RANJITHA M
13	1SP21EC18	S YUVARAJ
14	1SP21EC020	SAHANA H
15	1SP21EC21	SHAMME ZEHRA
16	1SP21EC22	SINDHU K J
17	1SP21EC23	SINDHU V
18	1SP21EC24	SKANDA P
19	1SP21EC25	SONIKA N
20	1SP21EC027	SPOORTHY J
21	1SP21EC28	SRIDHAR S MELI
22	1SP21EC30	SUZAIN KHANUM
23	1SP21EC031	THIRTHAKUMAR H B
24	1SP21EC32	VAISHNAVI PATIL
25	1SP21EC33	VARAPRASAD K
26	1SP21EC34	VENUGOPAL H R
27	1SP21EC35	VYSHNAVI A R
28	LATERAL ENTRY	ASWINI T
29	LATERAL ENTRY	CHARITHRA RANI
30	LATERAL ENTRY	KARTHIKEYA K
31	LATERAL ENTRY	SAI NIKHIL
32	LATERAL ENTRY	SUDEEP B S
33	1SP19EC001	ABHILASH C
34	1SP19EC002	ANIRBAN SANKI
35	1SP19EC003	ANIYA KAUSAR
36	1SP19EC004	ARBEEN TAJ
37	1SP19EC006	BINU B
38	1SP19EC007	BYREGOWDA N
39	1SP19EC015	MANJUNATH B
40	1SP19EC017	NAVEEN.Y
41	1SP19EC022	RAJESH P
42	1SP19EC026	V.Y SANTHOSH
43	1SP19EC027	YESHWANTH GOWDA
44	1SP19EC028	YOGESH V

Loose
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S.E.A College of Engineering and Technology

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



in association with

Indian Tech-Keys



Certificate Of Participation

PROUDLY PRESENTED TO

SAHANA H

Bearing USN No 1SP21EC020 student of **Electronics and Communication Engineering, S.E.A College of Engineering and Technology, Bengaluru**, has participated in the FIVE DAY WORKSHOP on **PCB Design and Fabrication** conducted by **Indian Tech-Keys**, Bengaluru, from 12/12/2022 to 17/12/2022.


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Dr B VENKATASUBRAMANIAN, Virgonagar Post,
Principals, Basavanapura, BANGALORE - 560049
HOD & Associate Prof. Dept of ECE.



Mr. Kotresh Mundrugi
Director & CEO
INDIAN TECH-KEYS

S.E.A College of Engineering and Technology

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

in association with

Indian Tech-Keys



Certificate Of Participation

NAVEEN.Y

Bearing USN No 1SP19EC017 student of **Electronics and Communication Engineering, S.E.A College of Engineering and Technology, Bengaluru**, has participated in the **FIVE DAY WORKSHOP on PCB Design and Fabrication** conducted by **Indian Tech-Keys**, Bengaluru, from 12/12/2022 to 17/12/2022.

Dr B VENKATA NARAYANA
Principal

Dr. Pradeep Kumar N S
HOD & Associate Prof. Dept of ECE
S.E.A College of Engineering and Technology
BANGALORE - 560 043
Director & CEO

INDIAN TECH-KEYS



S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY

EKTA NAGAR, VIRGO NAGAR (POST), K.R. PURAM, BANGALORE-560049

SEACET/ACADEMIC/ECE/WS/2022-23/01

4/11/2022

CIRCULAR

The Department of Electronics and Communication Engineering is organizing Five days Workshop on "IOT with Raspberry pi" for 3rd & 4th year students in association with IQAC, IIC and Cranes Varsity from 8th to 12th November, 2022. The Inauguration for the workshop will be held at CSE Seminar Hall, 10.00 AM. Hereby we kindly request all the HOD's and faculty members to attend it and make the event a grant success.

Pradeep Kumar
N.S
04/11/22

HOD

Head of the Department
Department of Electronics &
Communication Engineering
S.E.A College of Engineering & Technology
E.K.T.A. Nagar, Virgo Nagar, K.R. Puram, Bangalore-560049

Pradeep Kumar
Principal

HODs of

IOT & BCT

CSE

ISE

ME

CV

AI&ML

MBA

FIRST YEAR DEAN

PHYSICS

CHEMISTRY

MATHEMATICS

LIBRARIAN

PLACEMENT

OS

Pradeep Kumar
04/11/22



S.E.A COLLEGE OF ENGINEERING AND TECHNOLOGY
Ektanagar, Basavanapura, Virgonagar Post, (K.R.Param) BANGALORE-560049

Department of Electronics and Communication Engineering

INVITATION

The Management, Principal, Faculty and Students of Department of Electronics and Communication Engineering cordially invite you to grace the Inaugural of

Workshop

on

"IOT with Raspberry Pi"

in association with IQAC, IIC and Cranes Varsity, Bengaluru.

Chief Guest:

Dr.K.Viyyanna Rao

(Honorary Director, S.E.A Group of Institutions)

Guest of Honour:

Smt. Manjula Krishnappa

(Chairman, S.E.A Group of Institutions)

Sri. D.T. Srinivasa

(Secretary, S.E.A Group of Institutions)

Smt.K.Poornima Srinivasa

(MLA-Hiriyur Constituency)

Treasurer & CEO, S.E.A Group of Institutions)

Smt.K.Anupama

(Jt.Secretary, S.E.A Group of Institutions)

Date: 8th November 2022

Time: 10.00 AM onwards

Venue: CSE Seminar Hall

Dr. Pradeep Kumar N S

HOD, ECE


DR. B. VENKATA NARAYANA
Principal
SEA College of Engineering & Technology
Ektanagar, Basavanapura, Virgonagar Post
BANGALORE - 560 049



S.E.A College of Engineering and Technology

Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi

Ekta Nagar, K.R.Puram, Bangalore-19



Five days Workshop on "IoT with Raspberry Pi" In Association with IQAC and Cranes Varsity



On 8th – 12th November 2022



Inauguration: C. S. Seminar Hall
C. S.

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SEA College of Engineering & Technology
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(Approved by All India Council for Technical Education (AICTE), New Delhi)
Affiliated to Visvesvaraya Technological University (VTU), Belagavi, Recognised by Government of Karnataka)

Department of Electronics and Communication Engineering


Report on the 5 Days Workshop on IOT with Raspberry Pi

A 5 Days Workshop on "IOT with Raspberry Pi" was organized by Department of Electronics and Communication Engineering, S.E.A College of Engineering and Technology, Bangalore from 8th-12th November, 2022 in association with Cranes Varsity. The timings for Morning Session was 09.00 am to 12.45 pm and afternoon Session was 1.30 to 4.00 pm. The workshop was arranged for final year and pre final year students. Nearly 37 students participated in the workshop. Inauguration for the workshop was held on CSE seminar hall on 8th November, 2022 at 10:00pm. The function was presided by Dr.K.Viyyanna Rao, Director, S.E.A Group of Institutions and Dr.B.Venkatanarayana, Principal, SEACET and introduction of resource persons were given by Dr. Pradeep Kumar N.S., HOD, ECE, SEACET. The resource persons from Cranes Varsity are Mr. Nishant T, Mr.Abhishek, Mr.Bhoj Rah Prathan and Mr.Suhail. MOU was signed between Cranes Varsity and S.E.A College of Engineering and Technology for three years.

About Workshop:



**S.E.A COLLEGE OF
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APPROVED BY VISVESVARAYA TECHNOLOGICAL UNIVERSITY & APPROVED BY ALL INDIA COUNCIL OF TECHNICAL EDUCATION (AICTE)
Ekta Nagar, A. Krishnappa Circle, Ayyappanagar
Devasandra Main Road, Virgo Nagar Post, K.R. Puram, Bangalore - 560 049.




Dr. A. Krishnappa
Founder Chairman
S.E.A Group of Institutions

**Department of Electronics and Communication Engineering
Organizes**



**Five days Workshop on
"IOT with Raspberry Pi"**

In Association with IIC, IQAC and Cranes Varsity



On 8th – 12th November 2022

Inauguration: Seminar Hall



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SEA College of Engineering & Technology
Ekta Nagar, Basavanapura, Virgonagar Post
BANGALORE - 560 049

Objective of the Workshop:

The broad objective of this Workshop is to improve students' knowledge and skills in the recent technology IOT through it they gain in-depth career knowledge and placement opportunities. And to prepare students for careers in the industry by training and assisting them on industry-relevant projects/platforms

Resource Person of the Workshop:

Resource Persons for the Workshop are Mr. Nishant T and Mr. Suhail from Cranes Varsity. The details about the resource person Mr. Nishant T is given below.



24
YEARS
EXCELLENCE

Mr. Nishant T

Domain Expert, Corporate Trainer for IoT



- Delivered 5000+ Manhours Training
- Expert in Raspberry Pi Training.
- Experience in MariaDB
- Experience in C, Python, and Embedded Systems.
- IOT, Raspberry pi, Arduino Microcontroller, Linux
- Red Hat Enterprise Linux, CentOS, and Ubuntu
- Managing Users, Groups, and policies.
- Configuring the crontab to automate the tasks.
- Creating and maintaining YUM/APT/GIT repositories.
- Installing applications from the source and applying patches.
- Bash Scripting
- User administration and managing file permission and ACL.
- Setting up Web Servers (httpd).
- Experience in Configuring and Maintaining various Open Source applications on Linux - NFS, AutoFs, SCP, SFTP, httpd.
- Knowledge of VM Ware, and Virtual box.
- Basic knowledge of KVM.
- Configuring VPN server (OpenVPN).
- Embedded c, Robotics



Asw

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First day 08.11.22

The First day 08.11.22 workshop Inaugural function was held on CSE seminar hall at 10:00am. MOU was signed with cranes varsity during Inaugural. Later the workshop started by 11:00 am. In the forenoon session the resource person gave introduction about the importance of core domain in detail. Introduction to Raspberry Pi and generation upgradation was explained. In addition, briefed PCB presentation and chip details of Raspberry Pi.

Screen Shots for First day 08.11.22 Forenoon session





In the Afternoon session the resource person explained the features of IOT. Students were given hands-on session on installation of Raspberry Pi.

Screen Shots for First day 08.11.22 Afternoon session



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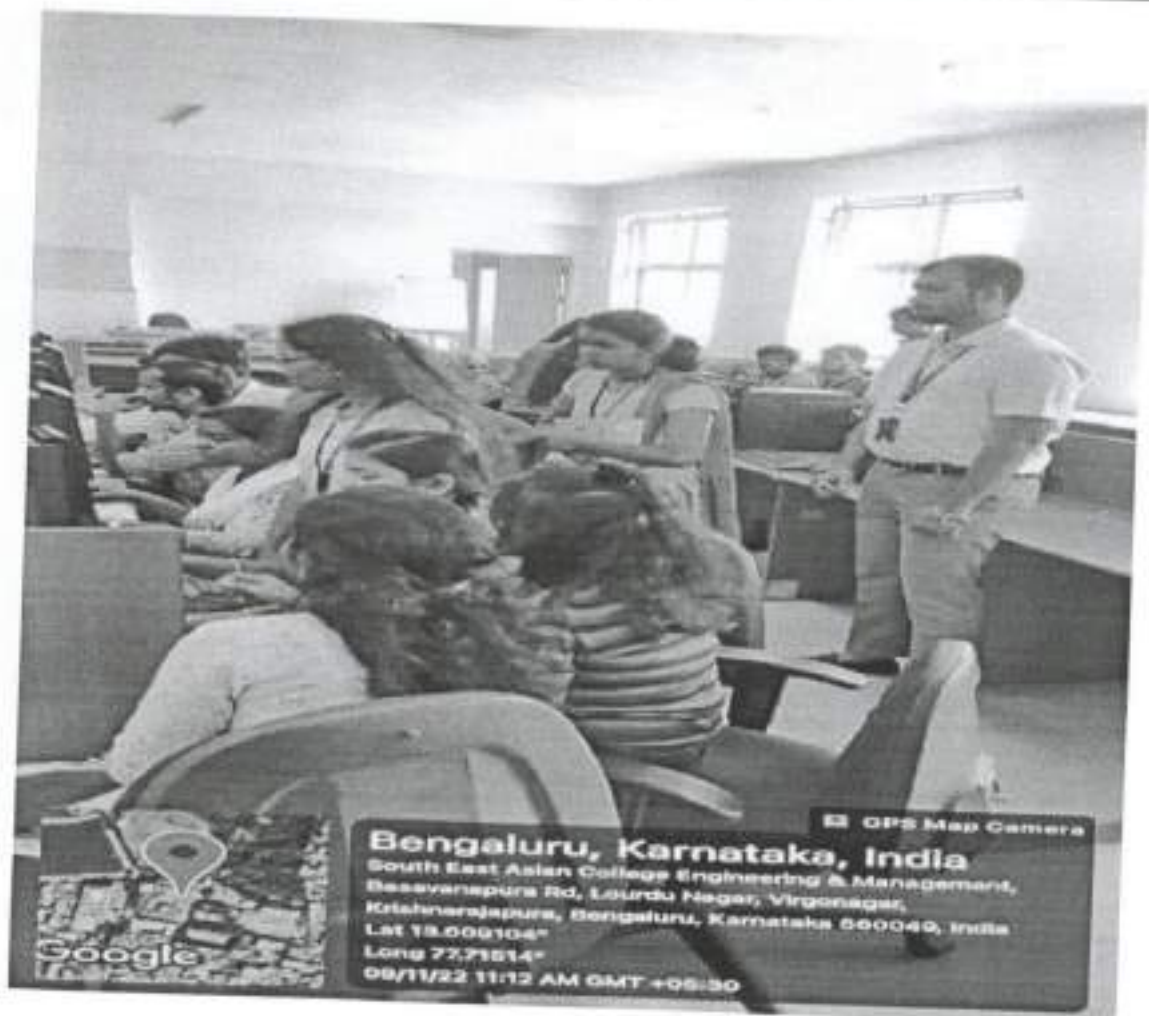


Second day 09.11.22

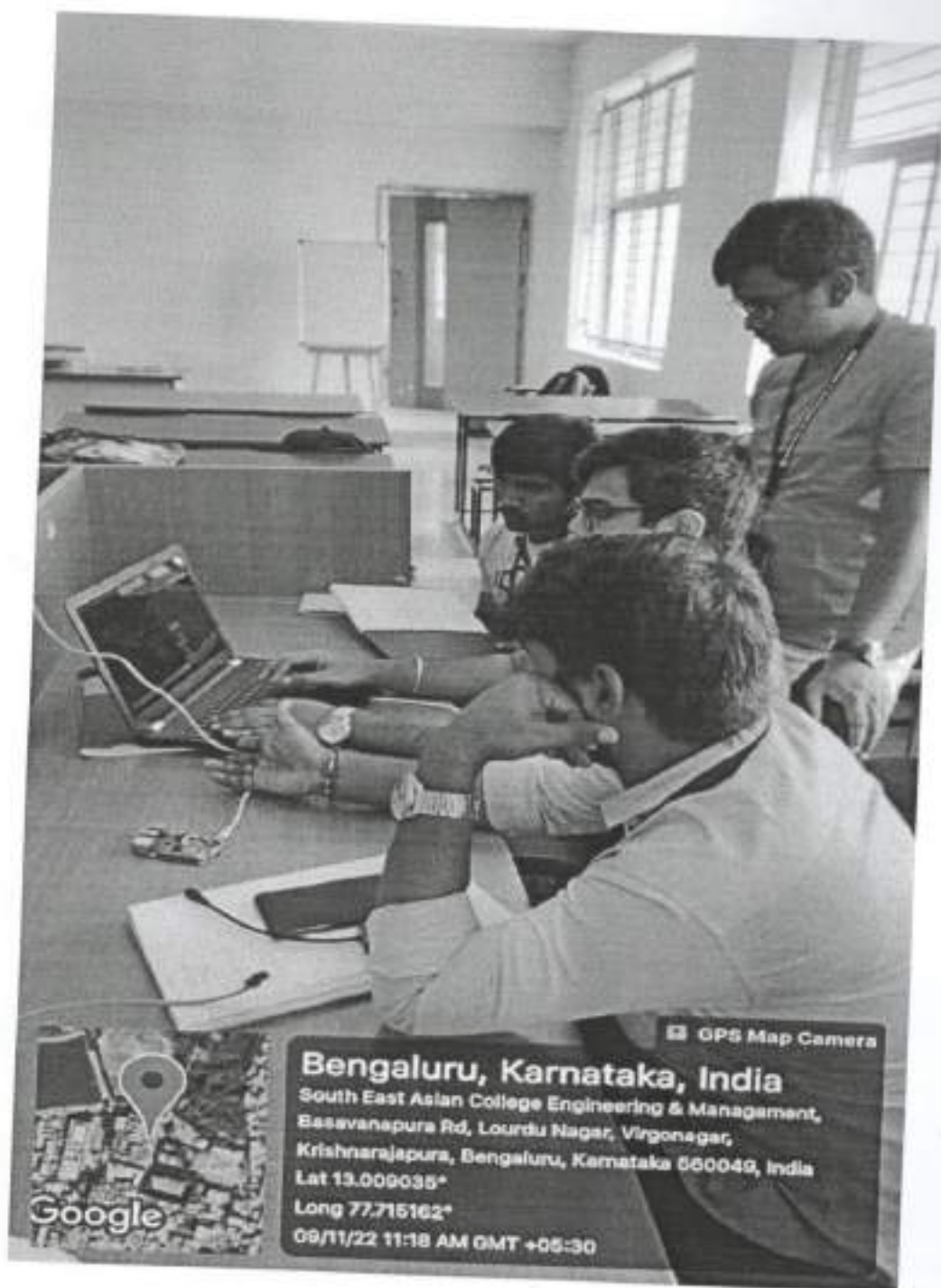
The Second day 09.11.22 Forenoon and Afternoon sessions resource person delivered lecture on how to connect Raspberry pi to the system and later hands on experience was given to students to handle the raspberry kit. Students were divided in to groups and practice on kit started. Simulation of Basic LED program using python language was taught to students. Students simulated the program and output were obtained by them.

Screen Shots for Second day 09.11.22





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Third day 10.11.22

The Third day 10.11.22 Forenoon and Afternoon sessions resource person delivered lecture on introduction to the IR sensor and ultrasonic sensor and how to implement it using python language in Raspberry pi to the system. And later hands on experience was given to students to Simulate IR sensor and ultrasonic sensor program using python language. Students simulated the program and output were obtained by them.

Screen Shots for Third day 10.11.22




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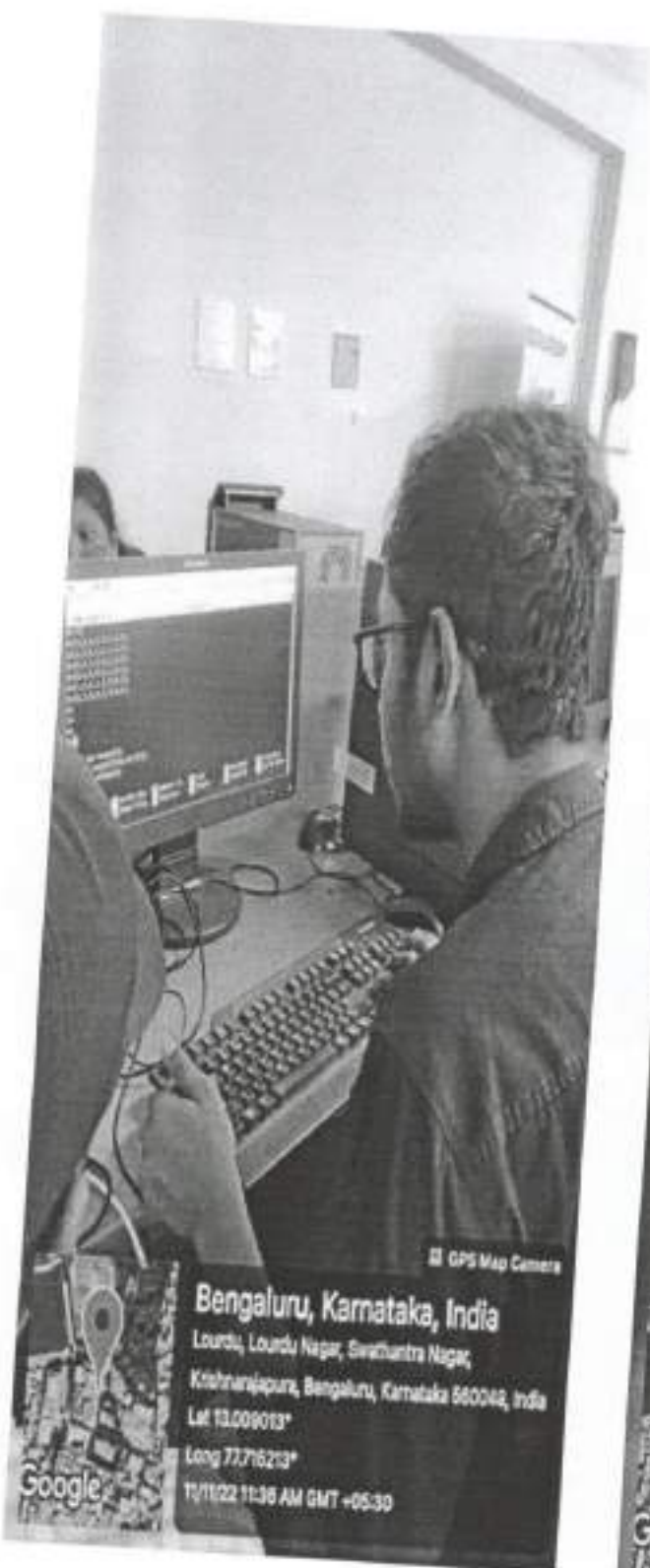


Fourth day 11.11.22

The Fourth day 11.11.22 Forenoon and Afternoon sessions resource person delivered lecture on Seven Segment display and DHT sensor and how to implement it using python language in Raspberry pi to the system. And later hands on experience was given to students to Simulate Seven Segment display and DHT sensor program using python language. Students simulated the program and output were obtained by them.

Screen Shots for Fourth day 11.11.22





GPS Map Camera

Bengaluru, Karnataka, India

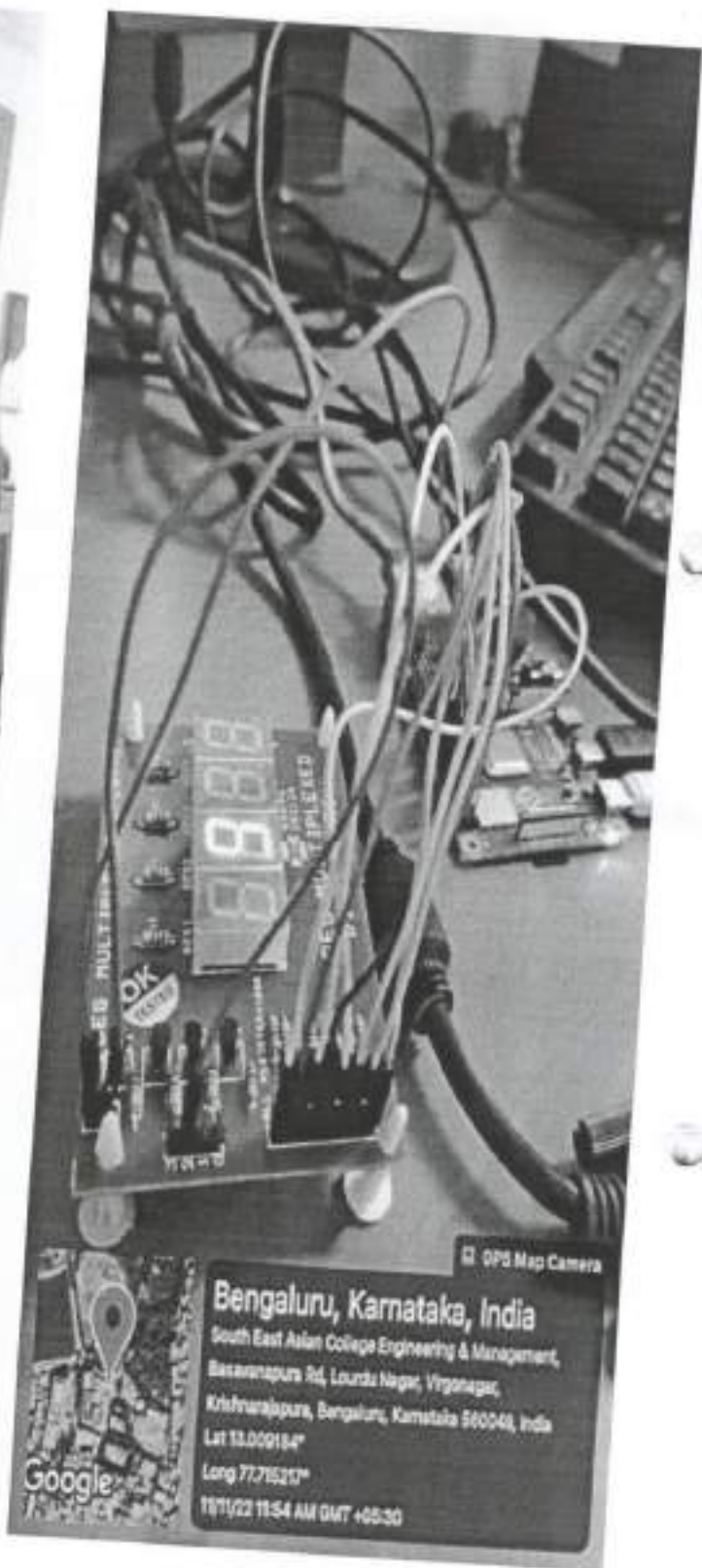
Lourdu, Lourdu Nagar, Sivachandra Nagar,
Krishnashipura, Bengaluru, Karnataka 560042, India

Lat 13.009013°

Long 77.715213°

11/11/22 11:36 AM GMT +05:30

Google



GPS Map Camera

Bengaluru, Karnataka, India

South East Asian College Engineering & Management,
Basavanapura Rd, Lourdu Nagar, Virgonagar,
Krishnashipura, Bengaluru, Karnataka 560042, India

Lat 13.009154°

Long 77.715213°

11/11/22 11:54 AM GMT +05:30

Google

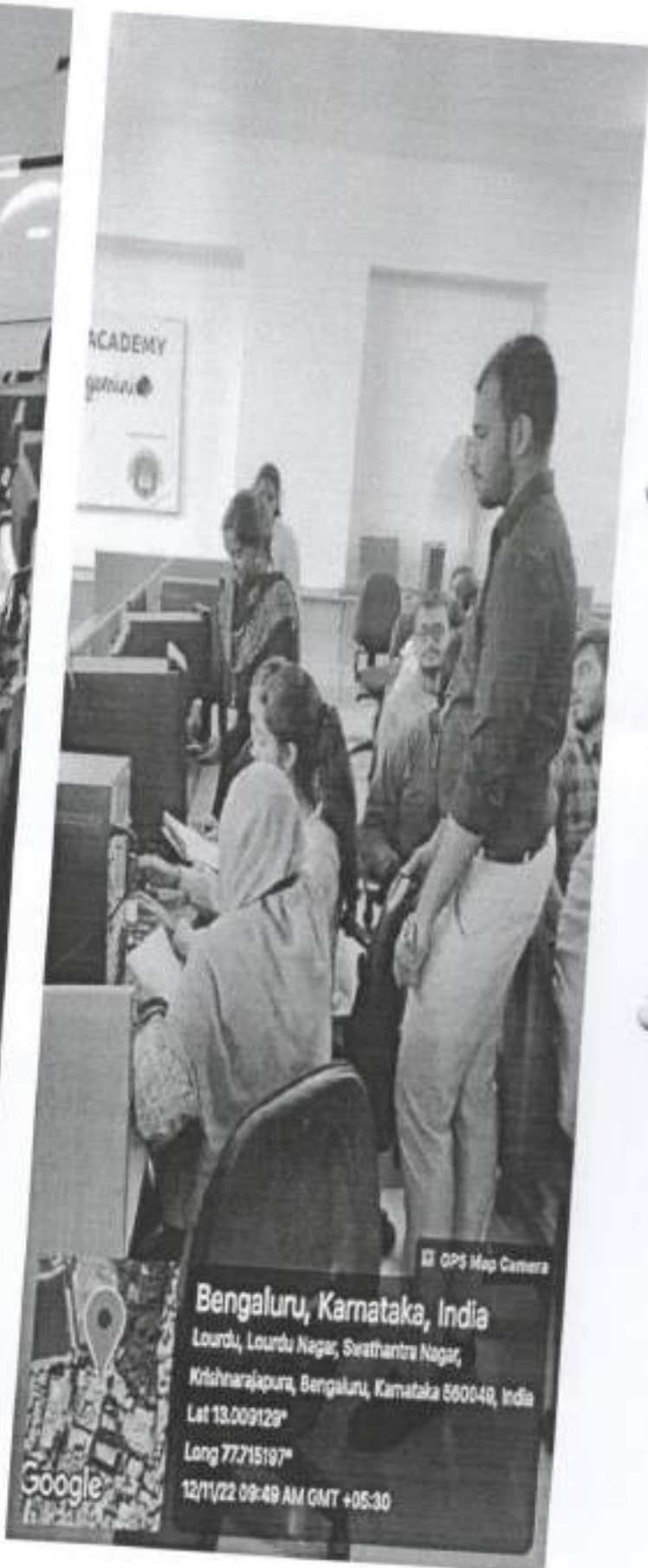
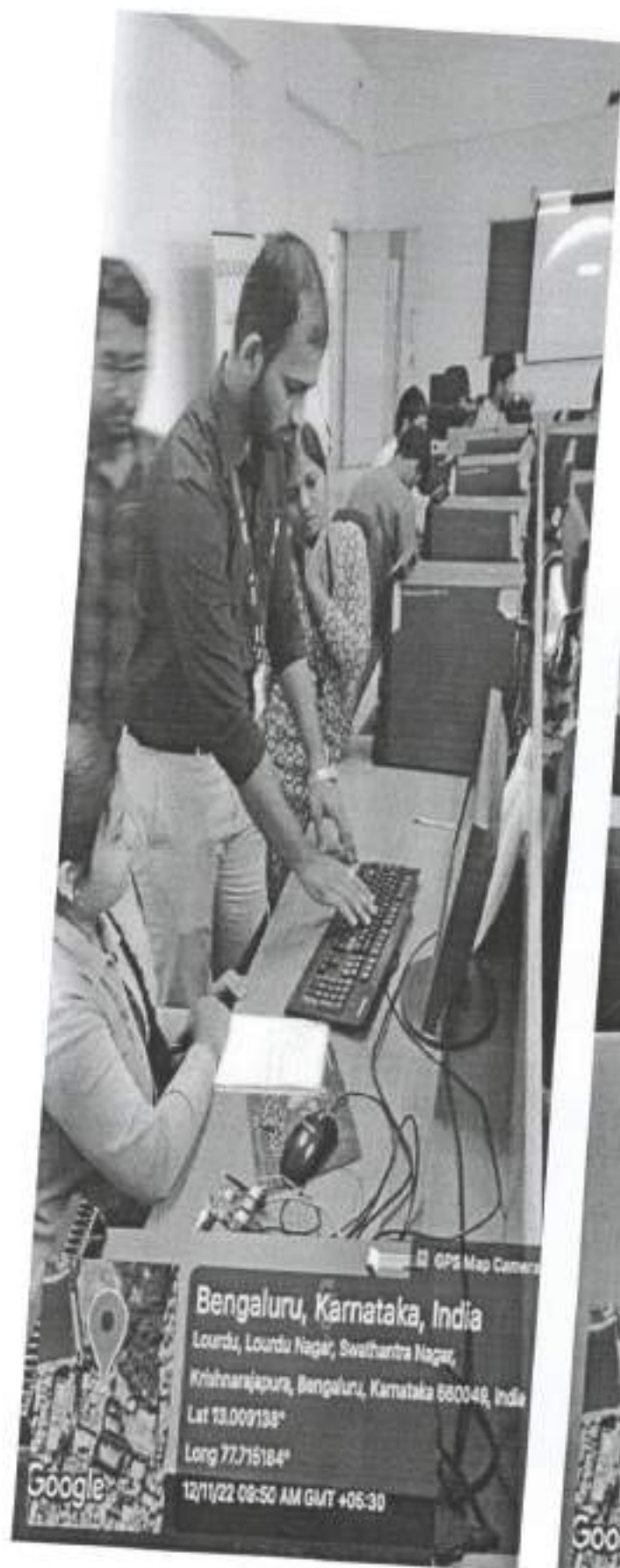
Fifth day 12.11.22

The Fifth day 12.11.22 Forenoon and Afternoon sessions resource person delivered lecture on how to upload DHT sensor program to 'Think Speak' cloud and how to show the graphical representation of sensor values. And later hands on experience was given to students to build an interactive channel between Raspberry pi and telegram.

Screen Shots for Fifth day 12.11.22




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The Workshop was concluded at 03.00pm. The workshop ended with the vote of thanks by Dr. Pradeep Kumar N.S., HOD, ECE, SEACET. Management sponsored for Lunch to resource persons for all five days and Hi-tea to faculties and students of ECE department for all the 5 days. Feedback forms were collected from students at the last day. The workshop was highly informative to students. Thus workshop provided valuable awareness and insights on the various aspects of IoT applications.


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Students Name list – Workshop:

S.NO	USN	STUDENT NAME
1	1SP19EC001	ABHILASH C
2	1SP19EC002	ANIRBAN SANKI
3	1SP19EC003	ANIYA KAUSAR
4	1SP19EC004	ARBEEN TAJ
5	1SP19EC005	BHARATH B
6	1SP19EC006	BINU
7	1SP19EC007	BYRE GOWDA N
8	1SP19EC009	CYRIL PAUL RAYAN
9	1SP19EC010	GLORY D'SOUZA R
10	1SP19EC011	IMPANA
11	1SP19EC012	KAVITHA P
12	1SP19EC013	LAVANYA K
13	1SP19EC014	MAMTA KUMARI
14	1SP19EC015	MANJUNATH B
15	1SP19EC016	MANOJ GY
16	1SP19EC017	NAVEEN Y
17	1SP19EC018	PALLAVI AS
18	1SP19EC019	PARVATHI S
19	1SP19EC020	PRAJWAL
20	1SP19EC021	PRIYANKA KUMARI
21	1SP19EC022	RAJESH P
22	1SP19EC023	SATHVIKA GB
23	1SP19EC024	AVINASH S
24	1SP19EC026	VY SANTHOSE
25	1SP19EC027	YASHWANTH GOWDA
26	1SP19EC028	YOGESH V
27	1SP19EC030	RISHI VARDHAN
28	1SP18EC002	CHANDAN
29	1SP20EC001	BHAVANI S
30	1SP20EC002	CHAKKIRI V SUDHEER KUMAR
31	1SP20EC003	E NANDINI
32	1SP20EC004	EDURU RAJESH
33	1SP20EC005	JYOTHI NN
34	1SP20EC007	MOHITH GOWDA
35	1SP20EC008	D N PADMANAND
36	1SP20EC009	SNEHA SHREE
37	1SP20EC010	PRATHIK KUMAR RAI

Students Attendance sheet (scanned):

[illegible]

SECUR PALNVIAS		1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th
1	SP19C028 PAVATHI S	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
2	SP19C029 INDUVA .R.J	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
3	SP19C030 SATHYAN	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
4	SP19C031 SATHYAN	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
5	SP19C032 SATHYAN	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
6	SP19C033 SATHYAN	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
7	SP19C034 ANURASH S	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
8	SP19C035 IVR SANTHOSH	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
9	SP19C036 YASHWANTH GOWDA	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
10	SP19C037 YOGESH V	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
11	SP19C038 RISHI VARDHAN	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
12	SP19C039 KOSMANI SAKUNTHAL	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
13	SP19C040 CHANDAN	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
14	SP19C041 SHRIYAN	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good

Sample Feedback forms from students (scanned):



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Students Feedback Form

5 days Workshop on "IOT with Raspberry pi"

8-11-2022 to 12-11-2022

Workshop Name: IOT with Raspberry Pi Date: 11/11/22
Name of the Institution (Where Seminar organized): SEA College of Engineering & Technology
Name of the Participant: sathwik G.B
Department: E.C.E
USN NO: 1SP19EC023
Year and Semester: 1st, 9th sem
Address: #27, 2nd floor Aditya layout
Phone No: 8050599065 Mobile No: 9353638995 e-mail ID: Paddy.sathwik54@gmail.com

> Write down the benefits got by attending this programme?

basic knowledge regarding hardware

> Any Notes or Content Material provided (Y/N): Yes

> Does this workshop have brought any change in your understanding of the subject, skills and your attitude towards the learning?

Yes

> Have you found any innovative idea of making learning process from this workshop? Explain.

Yes, we can use in our main projects

[Signature]

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- > Whether initiatives like this should be organized in the coming future or not? Give reason.

Yes, it should be

- > How do you plan to share the gained knowledge/skill with your friends who did not attend the workshop?

by sharing reading materials to my friends

- ✓ Kindly give rating to the different aspects of Workshop (Out of 10 marks)

Particular	Marks Given	Any Remarks
(a) Course Content	9	-
(b) Resource Persons	10	-
(c) Presentations	9	-
(d) Interactive Sessions	9	-
(e) Reading Material	10	-
(f) Basic Facilities	10	-
(g) Overall	10	-

Signature
Signature of the Participant



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Basavanapura, Ekta Nagar, K.R.Puram, Bangalore-560049

Students Feedback Form

5 days Workshop on "IOT with Raspberry pi"

8-11-2022 to 12-11-2022

Workshop Name: IOT with Raspberry Pi Date: 12/11/2022

Name of the Institution (Where Seminar organized): SEA College of engineering and technology

Name of the Participant: D.N. Padmanand

Department: ECE

USN NO: 15P20EC008

Year and Semester: 3rd year 2nd Sem

Address: No 140 3rd Cross opposite old Post office Road, Doddanakundi
Bangalore - 37

Phone No: 6363771023

Mobile No: _____

e-mail ID: dn.padmanand14@gmail.com

> Write down the benefits got by attending this programme?

Due to this programme we could get know more about IOT and how IOT are used.

> Any Notes or Content Material provided (Y/N): YES

> Does this workshop have brought any change in your understanding of the subject, skills and your attitude towards the learning?

Yes I have understood about Raspberry Pi and skills to use it

> Have you found any innovative idea of making learning process from this workshop? Explain.

Yes I learnt to work with various sensors

Pranav
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- > Whether initiatives like this should be organized in the coming future or not? Give reason.

Yes these should be organized

- > How do you plan to share the gained knowledge/skill with your friends who did not attend the workshop?

by sharing my ~~own~~ knowledge with my friends

- ✓ Kindly give rating to the different aspects of Workshop (Out of 10 marks)

Particular	Marks Given	Any Remarks
(a) Course Content	<u>10</u>	
(b) Resource Persons	<u>10</u>	
(c) Presentations	<u>10</u>	
(d) Interactive Sessions	<u>10</u>	
(e) Reading Material	<u>10</u>	
(f) Basic Facilities	<u>10</u>	
(g) Overall	<u>10</u>	


Signature of the Participant



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"Where Technology Meets Excellence"

Certificate

Ref. No.: AWS/872/22-23

MANJUNATH B (RegNo:1SP19EC015)

This is to certify that Mr. / Ms.

of S.E.A. COLLEGE OF ENGG. & TECHNOLOGY

has successfully completed

5 days of workshop

on IOT with raspberry pi

Conducted from 8th November 2022 to 12th November 2022 at S.E.A - Bengaluru

[Signature]

Training Manager

[Signature]

PRINCIPAL

SEA College of Engineering & Technology
24th Nagar, Basavanapura, Virgonagar Post
BANGALORE - 560 049

Authorised Signatory



Cranes Varsity

(Subsidiary of Cranes Software International Limited)

"Where Technology Meets Excellence"

Certificate

Ref. No.: AWS/870/22-23

This is to certify that Mr. / Ms. LAVANYA K (RegNo:1SP19EC013)

of S.E.A. COLLEGE OF ENGG. & TECHNOLOGY

has successfully completed 5 days of workshop

on IOT with raspberry pi

Conducted from 8th November 2022 to 12th November 2022 at S.E.A - Bengaluru

Training Manager

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Extra Nagar, Basavanapura, Virgonagar Post
BANGALORE - 560 019

Authorised Signatory